BRUHAT BANGALORE MAHANAGARA PALIKE

PWD FORM - 45 (WORK SLIP)

Name of Work: Improvements to Balance Roads and Drains in ward No. 10 Vidyaranyapura Sub Division.

Name of Agency: Sri Venkate Gowda, Contractor, Yelahanka, Bangalore - 64.

Estimated Cost: 35,00,000.00

Tender Amount : Rs. 33,07,449.86 Lakhs

Work Order No. BBMP/EE/BTP/WO/ /2015-16 Dated:

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2015-16+ T.P	Amount				
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be	Cum	508.20	75.60	38419.92	508.20	71.00	36082.20	612.50	448.83	71.00	4348.00	0.00	0.00	0.00	43488.00		7405.80	
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregaares @ 0.57	Cum	84.15	4847.04	407878.42	84.15	4400.00	370260.00	56.25	243.00	4400.00	247500.00	0.00	0.00	0.00	247500.00	122760.00		
3	KSRB 5.4-3: Providing and constructing granite / trap / basalt size stone masonry in **superstructure with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course	Cum	5.94	4773.60	28355.18	5.94	4500.00	26730.00	7.56	243.00	4500.00	34020.00	0.00	0.00	0.00	34020.00		7290.00	
4	KSRB 15.1.2: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per	Sqm	9.90	92.88	919.51	9.90	85.00	841.50	12.60	131.66	85.00	1071.00	0.00	0.00	0.00	1071.00		229.50	
5	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53 cum,	Cum	2.64	5327.64	14064.97	2.64	5000.00	13200.00	3.36	80.63	5000.00	16800.00	0.00	0.00	0.00	16800.00		3600.00	
6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness including attached pilasters	Sqm	1326.66	292.68	388286.85	1326.66	285.00	378098.10	816.00	645.00	285.00	232560.00	0.00	0.00	0.00	232560.00	145538.10		
7	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse	Cum	175.53	6065.28	1064638.60	175.53	5785.00	1015441.05	111.83	67.50	5785.00	646908.00	0.00	0.00	0.00	646908.00	368533.05		

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2015-16+ T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
8	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with	Tonne	9.65	78351.84	756095.26	9.65	77500.00	747875.00	6.71	12.15	77500.00	519986.00	0.00	0.00	0.00	519986.00	227889.00		
9	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm	495.00	1490.00	737550.00	495.00	1400.00	693000.00	337.50	377.57	1400.00	472500.00	0.00	0.00	0.00	472500.00	220500.00		
10	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km etc complete as per specifications and directions of	Cum	381.15	73.57	28041.21	381.15	68.01	25922.01	612.50	51.92	68.01	41656.00	0.00	0.00	0.00	41656.00		15733.99	
	Total															**2256489.00**		**34259.29**	
									EIRL										
11	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - Data rate	Sqm							12.60				12.60	5125.00	64575.00	64575.00		64575.00	
12	KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of	Cum							56.70				56.70	1589.99	90152.00	90152.00		90152.00	
13	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications	Cum							196.54				196.54	1688.16	331792.00	331792.00		331792.00	
14	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of	Sqm							891.50				891.50	26.31	23459.00	23459.00		23459.00	
15	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including	Sqm							1080.00				1080.00	3.04	3279.00	3279.00		3279.00	
16	KSRRB 500-7. Providing and applying **tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray	Sqm							1290.00				1290.00	11.13	14362.00	14362.00		14362.00	
17	KSRRB 500-11. Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of	cum							25.73				25.73	5000.73	128644.00	128644.00		128644.00	

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2015-16+ T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
18	KSRRB M500-19. Providing and laying **bituminous concrete 40 mm thick** with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting	Cum							56.72				56.72	6941.91	393745.00	393745.00		393745.00	
	Sub Total				3464255.91											1050008.00		1050008.00	
	Third Party Inspection Charges @ 1%				34642.56														
	Miscelaneous and unforgen charges	LS			1102.00														
	Total				**3500000.00**			**3307449.86**				**2217349.00**			**1050008.00**	**3306497.00**	**1085220.15**	**1084267.29**	
																	0.03 Below		

SUMMARY:

1. **Estimated Cost : Rs. 35.00 Lakhs**
2. **Tender Cost : Rs. 33.07 Lakhs**
3. **Work Slip Amount Rs. 34,259.29 = 1.04 % of the Tender Amount**
4. **EIRL Amount Rs. 10,500,008.00 = 31.74 % of the Tender Amount**
5. **During execution as per requirement and site condition, the total Qty to be executed costs Rs. 33.06 Lakhs which is 0.03% BELOW the Tender cost. The proposal may kindly be approved.**

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division, Bangalore - 92

"Work Slip & EIRL Approved"